

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DE 03/04030

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F27D1/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F27D F27B C27B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI Derwent Publications Ltd., London, GB; AN 1998-412006 XP002277119 & RU 2 100 728 C (SEMENOV V N, KRIVOTENKO S I, CHIZHOV D I) 27 December 1997 (1997-12-27) abstract</p> <p>-----</p> <p>GB 1 386 645 A (OUTOKUMPU) 12 March 1975 (1975-03-12) page 3, line 20</p> <p>-----</p>	1-3
A		1

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

26 April 2004

Date of mailing of the international search report

07/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 007, no. 268 (C-197), 30 November 1983 (1983-11-30) & JP 58 147504 A (MISHIMA KOUSAN KK), 2 September 1983 (1983-09-02) abstract -----	1,2
A	EP 1 136 573 A (KM EUROPA METAL AG) 26 September 2001 (2001-09-26) claim 6 -----	1,2

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 03/04030

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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GB 1386645	A	12-03-1975	FI	47052 B		31-05-1973
JP 58147504	A	02-09-1983	NONE			
EP 1136573	A	26-09-2001	DE	10014359 A1		27-09-2001
			CN	1323905 A		28-11-2001
			EP	1136573 A1		26-09-2001
			JP	2001304761 A		31-10-2001